

Erratum

**Erratum to: Calcium-binding analysis and molecular modeling reveal echis coagulation factor IX/factor X-binding protein has the Ca-binding properties and Ca ion-independent folding of other C-type lectin-like proteins (FEBS 26673)**  
**[*FEBS Letters* 531 (2002) 229–234]<sup>☆</sup>**

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In the last stages of the production process, after the author's proof had been returned, an unfortunate error oc-

curred. [Fig. 1](#) was reproduced incorrectly. The correct figure is given on the next page.

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Ca <sup>2+</sup> -binding subunit	1	10	20	30	41	43	47	50																																											
habu IX/X-bp	D	C	L	S	G	W	S	S	Y	E	G	H	C	Y	K	A	F	E	K	Y	K	T	W	E	D	A	E	R	V	C	T	E	Q	A	K	G	A	H	L	V	S	I	E	S	-	S	G	E	A	D	F
habu IX-bp	D	C	P	S	G	W	S	S	Y	E	G	H	C	Y	K	P	F	K	L	Y	K	T	W	D	D	A	E	R	F	C	T	E	Q	A	K	G	G	H	L	V	S	I	E	S	-	Δ	G	E	A	D	F
acutus X-bp	D	C	S	S	G	W	S	S	Y	E	G	H	C	Y	K	V	F	K	Q	S	K	T	W	A	D	A	E	S	F	C	T	K	Q	V	N	G	G	H	L	V	S	I	E	S	-	S	G	E	A	D	F
echis IX/X-bp	D	C	L	P	G	W	S	S	H	E	G	H	C	Y	K	V	F	N	E	Y	K	T	W	K	D	A	E	K	F	C	K	K	Q	G	K	S	G	H	L	V	S	V	E	S	-	S	E	E	G	D	F

Non-Ca<sup>2+</sup>-binding subunit

flavocetin A	D	F	D	C	I	P	G	W	S	Δ	Y	D	R	Y	C	Y	Q	A	F	S	K	P	K	N	W	E	D	A	E	S	F	C	E	E	G	V	K	T	S	H	L	V	S	I	E	S	-	S	G	E	A	D	F	
bitiscetin	D	P	G	C	L	P	D	W	S	S	Y	K	G	H	C	Y	K	V	F	K	K	V	G	T	W	E	D	A	E	K	F	C	V	E	-	-	N	S	G	H	L	A	S	I	D	S	-	K	E	E	A	D	F	
botrocetin		D	C	P	S	G	W	S	S	Y	E	G	N	C	Y	K	F	F	Q	Q	K	M	N	W	A	D	A	E	R	F	C	S	E	Q	A	K	G	G	H	L	V	S	I	K	I	Y	S	K	E	K	D	F		
echicetin		D	Q	D	C	L	S	G	W	S	F	Y	E	G	H	C	Y	Q	L	F	R	L	-	K	T	W	D	E	A	E	K	Y	C	-	N	Q	W	D	G	G	H	L	V	S	I	E	S	-	N	A	K	A	E	F
agkicetin		D	C	L	P	G	W	S	S	Y	I	R	F	C	Y	Q	P	F	K	L	L	K	T	W	E	D	A	E	R	F	C	T	E	Q	A	N	G	G	H	L	V	S	F	E	S	-	Δ	R	E	A	D	F		
convulxin		G	L	H	C	P	S	D	W	Y	Y	D	Q	G	C	Y	R	I	F	N	E	E	M	N	W	E	D	A	E	W	F	C	T	K	Q	A	K	G	A	H	L	V	S	I	E	S	-	Δ	K	E	A	D	F	
alboaggregin B		D	C	P	S	D	W	S	S	F	K	Q	Y	C	Y	Q	I	F	K	Q	L	K	T	W	E	D	A	E	R	F	C	M	D	Q	V	K	G	A	H	L	V	S	I	E	S	-	Y	R	E	A	V	F		
rhodocytin	G	L	E	D	C	D	F	G	W	S	P	Y	D	Q	H	C	Y	Q	A	F	N	E	Q	K	T	W	D	E	A	E	K	F	C	R	A	Q	E	N	G	A	H	L	A	S	I	E	S	-	N	G	E	A	D	F
bothrojaracin		D	C	P	S	D	W	S	S	H	E	G	H	C	Y	K	F	F	Q	Q	K	M	N	W	A	D	A	E	R	F	C	S	E	Q	A	K	G	G	H	L	V	S	F	Q	S	-	D	G	E	T	D	F		

Ca<sup>2+</sup>-binding subunit

habu IX/X-bp	V	A	Q	L	V	T	Q	N	M	K	R	-	-	L	D	F	Y	I	W	I	G	L	R	V	Q	G	K	V	K	Q	C	N	S	E	W	S	D	G	S	S	V	S	Y	E	N	W	I	E	A	E	S	K
habu IX-bp	V	A	Q	L	V	T	E	N	I	Q	N	-	-	T	K	S	Y	V	W	I	G	L	R	V	Q	G	K	E	K	Q	C	S	S	E	W	S	D	G	S	S	V	S	Y	E	N	W	I	E	A	E	S	K
acutus X-bp	V	G	Q	L	I	A	Q	K	I	K	S	-	-	A	K	I	H	V	W	I	G	L	R	A	Q	N	K	E	K	Q	C	S	I	E	W	S	D	G	S	S	I	S	Y	E	N	W	I	E	E	S	K	
echis IX/X-bp	V	A	K	L	I	S	E	N	L	E	K	S	H	S	I	D	F	V	W	T	G	L	T	Y	K	G	R	W	K	Q	C	S	S	E	W	S	D	G	S	K	I	K	Y	Q	K	W	G	K	Q	P	R	

Non-Ca<sup>2+</sup>-binding subunit

flavocetin A	V	A	Q	L	V	A	E	K	I	K	T	-	-	S	F	Q	Y	V	W	I	G	L	R	I	Q	N	K	E	Q	Q	C	R	S	E	W	S	D	A	S	S	V	N	Y	E	N	L	V	K	Q	F	S	K
bitiscetin	V	T	K	L	A	S	Q	T	L	T	K	-	-	F	V	Y	D	A	W	I	G	L	R	D	E	S	K	T	Q	Q	C	S	P	Q	W	T	D	G	S	S	V	Y	E	N	V	D	E	P	-	-	T	
botrocetin	V	G	D	L	V	T	K	N	I	Q	S	-	-	S	D	L	Y	Δ	W	I	G	L	R	V	E	N	K	E	K	Q	C	S	S	E	W	S	D	G	S	S	V	S	Y	E	N	V	V	E	R	T	V	K
echicetin	V	A	Q	L	I	S	R	K	L	P	K	S	Δ	I	E	D	R	V	W	I	G	L	R	D	R	S	K	R	E	Q	C	G	H	L	W	T	D	N	S	F	V	H	Y	E	H	V	V	P	-	-	T	
agkicetin	V	A	G	V	L	S	E	N	I	K	I	-	-	K	P	Y	V	W	I	G	L	R	V	Q	N	E	G	Q	Q	C	S	K	W	S	D	-	S	S	V	S	Y	E	N	L	V	E	P	F	S	K		
convulxin	V	A	V	M	V	T	Q	N	I	E	E	-	-	S	F	S	H	V	S	I	G	L	R	V	Q	N	K	E	K	Q	C	S	T	K	W	S	D	G	S	S	V	S	Y	D	N	L	D	L	Y	I	T	
alboaggregin B	V	A	Q	L	S	E	N	V	K	T	-	-	T	K	Y	D	V	W	I	G	L	S	V	N	K	E	Q	Q	C	S	S	E	W	S	D	G	S	S	V	S	Y	E	N	L	V	K	P	L	S	K		
rhodocytin	V	S	W	L	I	S	Q	K	D	E	L	-	Δ	E	D	Y	V	W	I	G	L	R	A	Q	N	K	E	Q	Q	C	S	S	E	W	S	D	G	S	S	V	S	Y	E	N	L	I	D	L	H	T	K	
bothrojaracin	V	V	N	L	V	T	E	K	I	Q	S	-	-	T	D	L	Y	Δ	W	I	G	L	R	V	Q	N	K	E	K	Q	C	S	S	K	W	S	D	G	S	S	V	S	Y	E	N	V	V	G	R	T	V	K

Ca<sup>2+</sup>-binding subunit

habu IX/X-bp	T	C	L	G	L	E	K	E	T	D	F	R	K	W	V	N	I	Y	C	G	Q	Q	N	P	F	V	C	E	A
habu IX-bp	T	C	L	G	L	E	K	E	T	G	F	R	K	W	V	N	I	Y	C	G	Q	Q	N	P	F	V	C	E	A
acutus X-bp	K	C	L	G	V	H	I	E	T	G	F	H	K	W	E	N	F	Y	C	E	Q	Q	D	P	F	V	C	E	A
echis IX/X-bp	K	C	L	G	L	E	K	Q	T	E	F	R	K	W	V	N	L	Y	C	E	E	P	Q	R	F	T	C	E	I

Ca-binding site

1
1
1
1

Reference

6
7
5
this study

Identity (%)

58.0
57.3
55.7
100.0

Non-Ca<sup>2+</sup>-binding subunit

flavocetin A	K	C	Y	A	L	K	K	G	T	E	L	R	T	W	F	N	V	Y	C	G	T	E	N	P	E	V	C	K	Y	T	P	E	C	0	25	43.8
bitiscetin	K	C	F	G	L	D	V	H	T	E	Y	R	T	W	D	L	P	C	G	E	K	N	P	F	I	C	K	S	R	L	P	H	0	14	44.5	
botrocetin	K	C	F	A	L	E	K	D	L	G	F	V	L	W	I	N	L	Y	C	A	Q	K	N	P	F	V	C	K	S	P	P	0	24	44.4		
echicetin	K	C	F	V	L	E	R	Q	T	E	F	R	K	W	I	Δ	V	N	C	E	F	K	F	P	F	V	C	K	Δ	K	I	P	R	0*		45.3
agkicetin	K	C	F	V	L	K	K	D	T	G	F	R	T	W	E	N	V	Y	C	G	L	K	H	V	F	M	C	K	Y	L	K	P	R	0*		45.9
convulxin	K	C	S	L	L	K	K	E	T	G	F	R	K	W	F	V	A	S	C	I	G	K	I	P	F	V	C	K	F	P	P	Q	C	0*		40.1
alboaggregin B	K	C	F	V	L	K	K	G	T	E	F	R	K	W	E	N	V	Δ	C	E	Q	K	H	L	F	M	C	K	F	L	R	P	R	0*		45.9
rhodocytin	K	C	G	A	L	E	K	L	T	G	F	R	K	W	V	N	Y	Y	C	E	Q	M	H	A	F	V	C	K	L	L	P	Y	0*		47.8	
bothrojaracin	K	C	F	A	L	E	K	E	Q	E	F	F	V	W	I	N	I	Y	C	G	Q	Q	N	P	F	V	C	K	S	P	P	P	0*		44.8	

Fig. 1. Comparison between subunit A of IX/X-bps and structurally related proteins. Only residues that are conserved between habu IX/X-bp and any of the other proteins are shaded.  $\text{Ca}^{2+}$  ligands in habu IX/X-bp are marked with ▼ and reversed characters indicate amino acid residues at the corresponding  $\text{Ca}^{2+}$ -binding site with  $\text{Ca}^{2+}$ -binding ability. \* indicates number of potential  $\text{Ca}^{2+}$ -binding sites. Identities between echis IX/X-bp A subunit and various C-type lectin-like subunits are indicated.